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L4286- L4287

Approved For Release 2006/02/27 : CIA-RDP79-00849A001100030001-8

25X1

SUBJECT: Brief Notes for Soviet Nuclear Submarine Class "E-II"

1. Photography taken by the [REDACTED] The 76 frames along with the following data were received by TID/NPIC.

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- a. Camera Type - Vintner F95 (70 mm Format)
- b. Lens:
 - 1) 12 inch focal length (304.8 mm)
 - 2) Aperture Opening - F8 at 1/1000 Seconds
- c. Camera Altitude - Approximately 300 to 500 feet

2. The procedure for mensurational reduction is as follows:

- a. Pointed on Mann Comparator
- b. Data reduced using "shape" computerized program:
 - 1) using conjugant image points on three or more photographs
 - 2) Program provides an arbitrary coordinate system in object space and is scaled by using a known on the object. Thus each point that has been pointed will have a calculated object space coordinate of X, Y, & Z.

3. The results of this project give an accuracy for the dimensions of the object in the range of $\pm 1.5\%$. The accuracy is dependent upon two factors:

- a. The ability to point the same point on three or more photographs (which involves the camera, camera technique, film processing, the analyst, and the instrument used in pointing). This is called point identification.
- b. The accuracy of the dimension used for scale.

The result of the analysis of this photography provided an accuracy scale which is shown on the attachment.

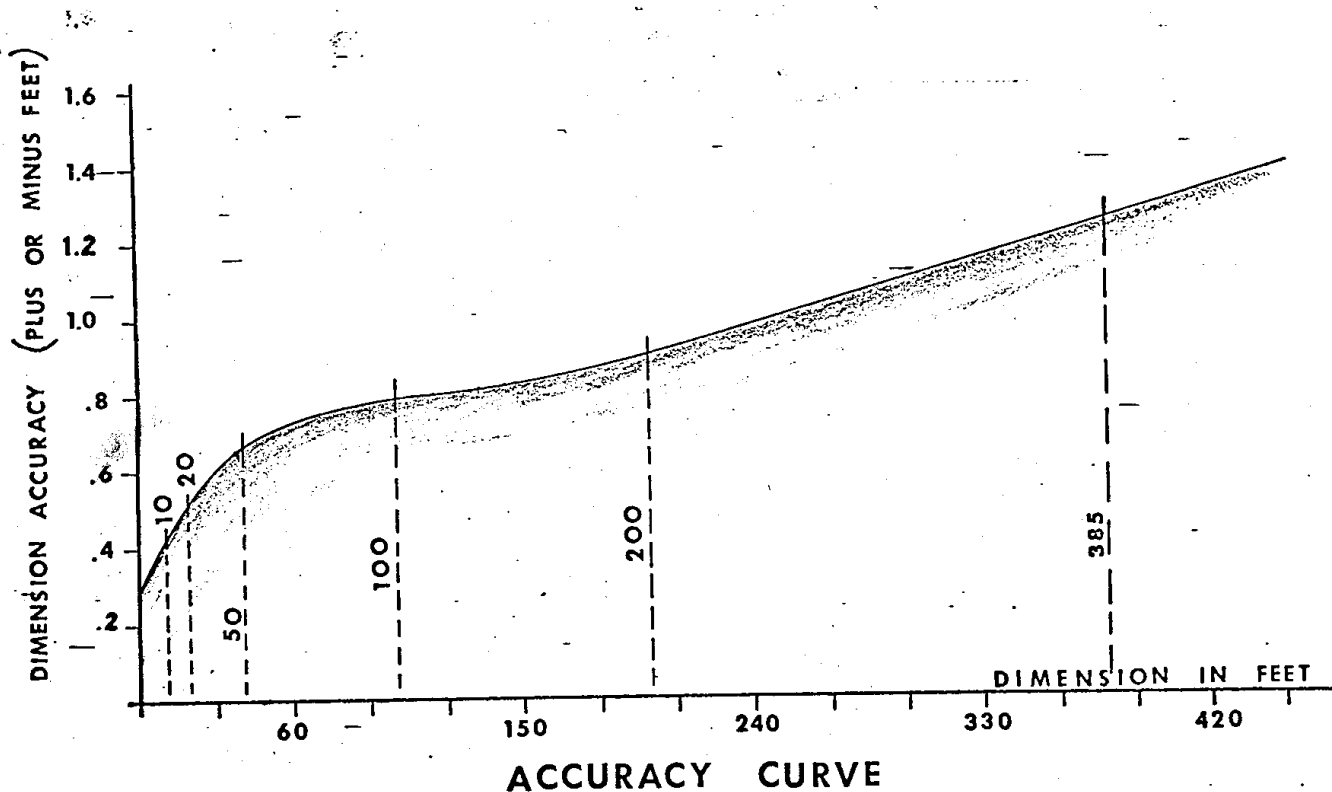
NGA review(s) completed.

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SOVIET E II CLASS NUCLEAR POWERED SUBMARINE

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